



ADVISORY COMMITTEE COMMENT FORM FOR PROPOSED CODE CHANGES

(This form must be submitted electronically)

IEBC #10

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Proposed Code Change - Language

1311.1103.4 Snow drift loads. Any structural element of an existing building subjected to additional loads from the effects of snow drift as a result of an addition shall comply with the International Building Code.

Exceptions:

1. Structural elements whose stress demand-capacity ratio is not increased by more than 5 percent. Additional loads due to snow retention as a result of a change in roof insulation shall be included in the evaluation.
2. Buildings of Group R occupancy with no more than five dwelling units or sleeping units used solely for residential purposes where the existing building and the addition comply with the conventional light frame construction methods of the International Building Code or the provisions of the International Residential Code.

Proposed Code Change – Need and Reason

The proposed code change refers to an increase in demand/capacity ratio instead of the stress in the element. This language conforms to the industry standard for the practice of structural engineering in which calculations are prepared using reliability based design methods. The change will also recognize that 5 percent increase in the member force or stress may not be acceptable if the member demand capacity ratio is already considerably above 1.00. The designer upon recognizing that condition would make a professional judgment if the exception could still reasonably be applied. Re-roofing that involves new roof insulation with a higher R-value may increase snow retention and cause additional loading because the snow will no longer melt at the same rate; this additional loading needs to be included in the structural evaluation.

Proposed Code Change – Cost/Benefit Analysis

This proposed code change will result in neither a cost increase or decrease.

Other Factors to Consider Related to Proposed Code Change

1. Is this proposed code change meant to:

☒ change language contained in a published code book? If so, list section(s).
IEBC Chapter 11, section 1103 – Structural, paragraph 1103.4

☐ change language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

☐ delete language contained in a published code book? If so, list section(s).

☐ delete language contained in an existing amendment in Minnesota Rule? If so, list Rule part(s).

☐ neither; this language will be new language, not found in the code book or in Minnesota Rule.

2. Is this proposed code change required by a Minnesota Statute or new legislation? If so, please provide the citation to the Statute or legislation.
No

3. Will this proposed code change impact other sections of a published code book or of an amendment in Minnesota Rule? If so, please list the affected sections or rule parts.
No

4. Will this proposed code change impact other parts of the Minnesota State Building Code? If so, please list the affected parts of the Minnesota State Building Code.
No

5. Who are the parties affected or segments of industry affected by this proposed code change?
Building design engineers.

6. Can you think of other means or methods to achieve the purpose of the proposed code change? If so, please explain what they are and why your proposed change is the preferred method or means to achieve the desired result.
No

7. Are you aware of any federal requirement or regulation related to this proposed code change? If so, please list the regulation or requirement.
No